

REMARKS

Responsive to the Election Requirement, Applicants elect for further prosecution the species corresponding to silicon as the central portion and the solid solution or inter-metallic compounds. The claims which correspond to the elected species are claims 1, 5, and 8. This election is made with traverse because claim 1 is generic. According, allowance of all of the presently pending claims is respectfully requested.

Respectfully submitted,

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LEA:kc

Enclosure: Version With Markings To Show Changes Made

Dated: December 3, 2002

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The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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December 3, 2002
Lawrence E. Ashery

Version With Markings To Show Changes MadeClaims:

- 1 1. (As Amended) A non-aqueous electrolyte secondary battery comprising:
- 2 a positive electrode,
- 3 a negative electrode capable of intercalating and de-intercalating lithium,
- 4 a non-aqueous electrolyte solution, and
- 5 a polymer gel electrolyte, said polymer gel electrolyte comprising a polymer,
- 6 wherein:
- 7 said negative electrode comprises a plurality of composite particles,
- 8 each of said composite particles comprises: a central portion consisting
- 9 essentially of at least one element selected from the group consisting of tin, silicon,
- 10 and zinc; and a coating at least partially around said central portion,
- 11 said coating comprises a solid solution or an inter-metallic compound, and
- 12 said solid solution or inter-metallic compound comprises: a) at least one
- 13 element selected from the group consisting of tin, silicon, and zinc, and b) at least
- 14 one additional element; ~~said additional element selected from the group consisting of~~
- 15 ~~group 2 elements, transition elements, group 12 elements, group 13 elements and~~
- 16 ~~group 14 elements exclusive of carbon, and exclusive of said at least one element~~
- 17 ~~selected from the group consisting of tin, silicon, and zinc in said solid solution or~~
- 18 ~~inter-metallic compound.~~

1 8. (As Amended) A non-aqueous electrolyte secondary battery comprising:

2 a positive electrode,

3 a negative electrode capable of intercalating and de-intercalating lithium,

4 a non-aqueous electrolyte solution, and

5 a lithium ion conductive glass solid electrolyte,

6 wherein:

7 said negative electrode comprises a plurality of composite particles,

8 each of said composite particles comprises: a central portion consisting
9 essentially of at least one element selected from the group consisting of tin, silicon,
10 and zinc; and a coating at least partially around said central portion,

11 said coating comprises at least one of a solid solution and an inter-metallic
12 compound, and

13 said solid solution or inter-metallic compound comprises: a) at least one
14 element selected from the group consisting of tin, silicon, and zinc, and b) at least
15 one additional element, ~~said additional element selected from the group consisting of~~
16 ~~group 2 elements, transition elements, group 12 elements, group 13 elements and~~
17 ~~group 14 elements exclusive of carbon, and exclusive of said at least one element~~
18 ~~selected from the group consisting of tin, silicon, and zinc in said solid solution or~~
19 ~~inter-metallic compound.~~